

Rev. 07/13/10

Features & Options

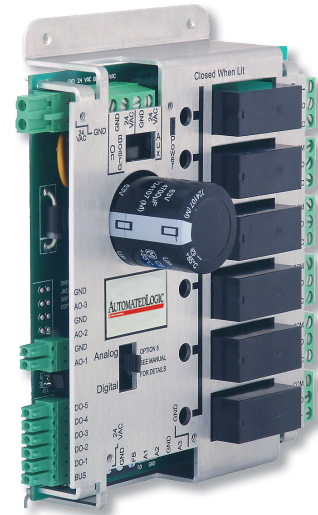
- Adds High Voltage / High Current Switching for an ALC, ZN Controller.
- Simplifies Wiring by Plugging Directly into the ZN Controller.
- No Need for an Additional Transformer or Actuator Power Supply.
- 5 Relay Outputs with a Selectable Sixth Output.
- LED Indication of Digital Output Status
- Analog Feed Through to Actuator

The ALC/RP-ZN551 Relay Pack saves time and money by allowing you to switch line voltage without having to mount and wire additional external relays.

The Relay Pack plugs directly into your ALC, ZN551 controller and provides a total of six relays. Five relays are directly controlled by the five Digital Outputs (DO) on the controller. The sixth relay can be operated by the controller's Analog Output if it is not being used. LED's on the Relay Pack show when each relay is energized for a visual indication of which DOs are closed.

Terminal block covers on the Relay Pack prevent access to the high voltage terminals and eliminate the need for any additional enclosure.

The Relay Pack runs off the same transformer as the controller so there is no need for an additional transformer. If you choose to use a separate actuator transformer, then the Relay Pack simplifies the wiring by providing a terminal block for the second actuator power supply leads.



Relay Pack

Ordering Information/Part Numbers

<u>Part Number</u>	<u>Description</u>
ALC/RP-ZN551	Relay Pack for the ALC, ZN551 Controller

Specifications

Power: 24 VAC @3.5 VA (without ZN controller or actuator), All grounds are common

Actuator Power Termination Limit: 24 VAC @60 VA

Output Relays: 5-SPDT Relay, 1 optional SPDT Relay (analog controlled)

Relay Switching Load:

- Resistive: 10 A @250 VAC or 30 VDC
- Inductive: 7.5 A @250 VAC or 5A @30 VDC

Digital Input (from ZN551):

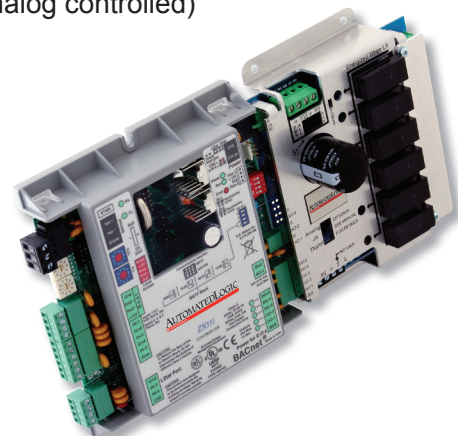
- Terminal to ground
- 22mA @ 24 VDC for each relay

Optional Relay Six (Analog Signal):

- Option Jumper Digital (Control relay 6, SPDT)
- Energize: Analog Output >1.4 VDC
- De-energize: Analog Output <0.8 VDC

Analog Output from ZN551 to Actuator:

- Option Jumper Analog
- (AO feed through to terminal A1)
- 0 to 10VDC signal



ALC/RP-ZN551 Relay Pack plugged into an ALC, ZN551 Controller